



CAS Registry Number: 60025-25-4

Melting Point: Mp 196°

>>Derivative: Amide

CAS Registry Number: 145232-34-4

Molecular Formula: C₉H₁₈N₂O

Molecular Weight: 170.254

Accurate Mass: 170.141913

Percentage Composition: C 63.49%; H 10.66%; N 16.45%; O 9.40%

Melting Point: Mp 156-157°

Optical Rotation: [α]_D²⁵ -16.5 (c, 3.8 in EtOH)

>>Derivative: *N*-Ac

CAS Registry Number: 97290-54-5

Molecular Formula: C₁₁H₁₉NO₃

Molecular Weight: 213.276

Accurate Mass: 213.136494

Percentage Composition: C 61.95%; H 8.98%; N 6.57%; O 22.51%

Melting Point: Mp 188-189° (205-206°)

Optical Rotation: [α]_D²⁵ -5.5 (c, 8.2 in EtOH)

>>Derivative: *N*-*tert*-Butyloxycarbonyl

CAS Registry Number: 37736-82-6

Molecular Formula: C₁₄H₂₅NO₄

Molecular Weight: 271.356

Accurate Mass: 271.178359

Percentage Composition: C 61.97%; H 9.29%; N 5.16%; O 23.58%

Melting Point: Mp 45-50°

Optical Rotation: [α]_D²³ -13.25 (c, 2 in AcOH)

>>Variant: (±)-form

CAS Registry Number: 55658-63-4

Molecular Formula: C₉H₁₇NO₂

Molecular Weight: 171.239

Accurate Mass: 171.125929

Percentage Composition: C 63.13%; H 10.01%; N 8.18%; O 18.69%

Melting Point: Mp 229-230 dec.°

>>Derivative: Hydrochloride

Melting Point: Mp 246°

>>Derivative: *N*-Ac

CAS Registry Number: 109572-41-0

Physical Description: Needles

Melting Point: Mp 178°

>>Derivative: *N*-Benzoyl

Extra CAS Registry Numbers(s): 206436-98-8 207682-59-5

Molecular Formula: C₁₆H₂₁NO₃

Molecular Weight: 275.347

Accurate Mass: 275.152144

Percentage Composition: C 69.79%; H 7.69%; N 5.09%; O 17.43%

Melting Point: Mp 182-183.5°

References:

Shemin, O. *et al.*, *J.A.C.S.*, 1939, **61**, 2471, (*synth*)

Greenstein, J.P. *et al.*, *J.A.C.S.*, 1952, **74**, 551, (*synth*)

Philips, M.B. *et al.*, *J. Biol. Chem.*, 1957, **227**, 465, (*synth*)

Khosla, M.C. *et al.*, *J. Med. Chem.*, 1972, **15**, 792-795, (*N*-*tert*-butyloxycarbonyl)

Schuda, P.F. *et al.*, *J.O.C.*, 1988, **53**, 873, (*synth*, *pmr*, *ir*)

Crossley, M.J. *et al.*, *J.C.S. Perkin 1*, 1998, 1123-1130, (*synth*, *ir*, *pmr*)